

Quad-Core OTT/IPTV 4K Set Top Box

AS920 Series

- Android 4.4
- 4K and 2K H.265/H.264
- Enhanced 3D GPU
- Plug & Play
- WiFi 802.11n single-band 1T1R and soft AP
- Flexible audio and video outputs
- Easy installation and setup
- Remote management
- Fully compatible with open protocols



Ascent's AS924 IP Based High Definition Over-the-top (OTT) Set Top Box (STB) is an intelligent subscriber home device designed to provide the ultimate user experience with support for various IPTV services including multicast, VOD, and internet access.

AS924 series OTT STB is equipped with a powerful quad-core media processor in a lightweight, modern package with superior 3D Graphic Accelerator technology. It provides high quality and robust OTT services to allow advanced streaming protocols and enables a high quality over the top broadcast experience. This compact device offers high memory bandwidth, power efficiency, and optional 802.11n WiFi performance to meet ever more demanding streaming needs.

Together with Ascent's end-to-end HFC and FTTX network solutions, the powerful AS920 residential OTT STB equipment enables network operators and services providers to offer their customers/subscribers with superior audio and video experience.

Key Features

- ARM Cortex A7 dual-core CPU with MPEG decode
- Mali-450 × 4 GPU
- Android 4.4
- 2K and 4K video
- Plug & Play
- WiFi 802.11n single-band 1T1R and soft AP
- Flexible audio and video outputs
- Easy installation and setup
- Remote management
- Fully compatible with open protocols

Specifications

Embedded Architecture

SoC	ARM Cortex A7 quad-core CPU with MPEG decoder
CPU	Single-core 1.5 GHz, total up to 11,400 DMIPS
GPU	Mali-450 × 4
eMMC	4 GB
DDR III	1 GB
OS	Android 4.4

Video

Decoding Standard	H.264 MP & HP up to L4.2 H.265 MP up to L5.0 High Tier
Video Format	PAL/NTSC
Aspect Ratio	4:3 and 16:9
Out Definition	480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 2160p H.264 2160p@60fps H.265 1080p@60 fps, 2160p@30fps
Video Output	CVBS, HDMI 1.4

Audio

Decoding Standard	MPEG (Layer1, 2), MP3
Volume Control	32-level adjustable, mute
Audio Output	Mono/stereo, HDMI 1.4
Protocol	
IP Protocol	IPv4
Network Protocol	TCP/IP, HTTP, POP3, DHCP, DNS, FTP, NTP, SSL, PPPoE, SNMP, SMTP
Streaming Protocol	IPTV multicast (IGMP) Video on Demand (RTSP/RSVP control)

Transport Protocol	HTTP
	TS over UDP, TS over RTP
Input and Output Interface	
Front Panel	3 × LED for IR, Link, and Power Status 1× IR Receiver
Side Panel	1 × USB 2.0 port 1 × USB 3.0 port
Rear Panel	1 × micro SD Card Digital audio/video output: 1 × HDMI Analog audio/video output: 1 × 3.5 mm jack Ethernet interface: 1 × 10/100M Base-T, RJ45 12V/1A DC IN jack for power supply Power switch ON/OFF
Internal	WiFi: 802.11 b/g/n 2.4G single-band 1T×1R
OSD	3D Graphic Acceleration - OpenGL E2.0/1.1 - OpenVG1.1 2D Graphic Acceleration Color: 32-bit ARGB for video Alpha blending: 256 levels OSD Flicker Filter Picture-in-Graphics
Application Software	
	Embedded Browser: - HTML5.0, JavaScript 1.5, Webkit - Picture format: GIF, JPEG, BMP, PNG, etc. - Multi-language support Works with a variety of Video Server, Support VCR control and trick-play function Support for multiple PIDs Supports remote configuration and diagnosis Supports online software upgrades Supports JavaScript-based network games and 3D motion games with R707 Chubby Motion Sensor Remote Control
General Characteristics	
Dimensions (W × D × H)	95 mm × 93 mm × 20 mm
Power Consumption	<10 W

Ordering Information

Item	Description
AS924-01-VN	AS924 Series OTT/IPTV Set-Top Box (4K High Definition) - VN Power Adapter

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